



93184-00015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:
ABEND, Kenneth

Serial No.: 10/764,658

Confirmation No.: 8805

Filed: January 26, 2004

For: PULSE INTERLEAVING IN DOPPLER
ULTRASOUND IMAGING

Group Art Unit: 3737

Examiner: To Be Assigned

I hereby certify that this correspondence and/or
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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, applicant
and his attorney respectfully request that the following patents and publications be
made of record in the official United States Patent and Trademark Office file relating to
the above-identified application. The citation of the following patents and publications
should not be construed as an admission that they constitute prior art with respect to the
present invention.

U.S. Patent Nos.

5,148,810	5,922,962
5,261,408	5,928,151
5,291,892	5,971,927
5,409,010	6,066,096
5,546,807	6,135,971
5,623,930	6,148,095
5,701,898	6,238,346
5,808,962	6,524,253
5,840,033	6,682,483
5,911,692	

Non-Patent Literature Documents

C. KASAI, K. NAMEKAWA, A. KOYANO and R. OMOTO "Real-Time Two Dimensional Blood Imaging Using An Autocorrelation Technique", IEEE Transactions On Sonics and Ultrasonics, Vol. SU-32, no.3, pp 458-464, May 1985.

K. FERRARA and G. DeANGELIS, "Color Flow Mapping", Ultrasound in Medicine and Biology", Vol. 23, no. 2, pp 321-345, March 1997.

T. BUCK, et al., "Flow Quantification In Valvular Heart Disease Based On The Integral Of Backscattered Acoustic Power Using Doppler Ultrasound", PROC. IEEE, Vol. 88, no. 3 pp 307-330, March 2000.

All of the above-listed references are in the English language. In such circumstances, comments concerning the relevance of the foregoing references are considered unnecessary.

In order to facilitate the Examiner's citation of the patents and publications listed above, applicant's attorney has completed United States Patent and Trademark Office Form PTO/SB/08 (formerly PTO-1449). The completed Form is attached hereto for the Examiner's convenience.

No fees are believed to be due in connection with the submission of this Information Disclosure Statement. If any such fees are due, the Examiner is hereby authorized to charge them to Deposit Account No. 501402.

Respectfully Submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/764,658
				Filing Date	January 26, 2004
				First Named Inventor	Kenneth Abend
				Art Unit	3737
				Examiner Name	TBA
(use as many sheets as necessary)				Attorney Docket Number	93184/00015
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
		US- 5,148,810		09/1992	Maslak , et al.	
		US- 5,261,408		11/1993	Maslak, et al.	
		US- 5,291,892		03/1994	O'Donnell	
		US- 5,409,010		04/1995	Beach , et al.	
		US- 5,546,807		08/1996	Oxaal, et al.	
		US- 5,623,930		04/1997	Wright, et al.	
		US- 5,701,898		12/1997	Adam, et al.	
		US- 5,808,962		09/1998	Steinberg, et al.	
		US- 5,840,033		11/1998	Takeuchi	
		US- 5,911,692		06/1999	Hussain, et al.	
		US- 5,922,962		07/1999	Israk, et al.	
		US- 5,928,151		07/1999	Hossack, et al.	
		US- 5,971,927		10/1999	Mine	
		US- 6,066,096		05/2000	Smith, et. al.	
		US- 6,135,971		10/2000	Hutchinson, et al.	
		US- 6,148,095		11/2000	Prause et al.	
		US- 6,238,346		5/2000	Mason	
		US- 6,524,253		2/2003	Abend	
		US- 6,682,483		1/2004	Abend	
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	2	Application Number	10/764,658
				Filing Date	January 26, 2004
				First Named Inventor	Kenneth Abend
				Art Unit	3737
				Examiner Name	TBA
				Attorney Docket Number	93184/00015

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). *Applicant is to place a check mark here if English language translation is attached.
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